

# BROOKSIDE LABORATORIES, INC.

## \*\* WATER ANALYSIS REPORT \*\*

Canyon Gate Country Club  
2001 Canyon Gate Drive  
Las Vegas, NV 89117

File Number: 46715  
Date Received: 9/20/2023  
Date Reported: 9/21/2023

Submitted By: Soil and Water Consulting

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|--------------------|------------------|
| Lab Number         | 2088             |
| Sample Location    | IRRIGATION WATER |
| Sample Description | #17              |

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|---------------------------------|--------|
| pH                              | 7.53   |
| Hardness (ppm)                  | 293.12 |
| Hardness (grains/gal)           | 17.14  |
| Conductivity (mmhos/cm)         | 0.61   |
| Sodium Adsorp. Ratio            | 0.35   |
| Adjusted SAR                    | 0.69   |
| Adjusted RNa                    | 0.41   |
| pHc                             | 7.42   |
| Residual Sodium Carbonate (RSC) | -1.93  |

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|                                       |  | (ppm)  | meq/l | lbs/ac in |
|---------------------------------------|--|--------|-------|-----------|
| Calcium (Ca)                          |  | 65.84  | 3.29  | 14.93     |
| Magnesium (Mg)                        |  | 31.23  | 2.57  | 7.08      |
| Potassium (K)                         |  | 2.08   | 0.05  | 0.47      |
| Sodium (Na)                           |  | 13.79  | 0.60  | 3.13      |
| Iron (Fe)                             |  | < 0.10 |       |           |
| Total Alkalinity (CaCO <sub>3</sub> ) |  | 196.08 |       | 44.47     |
| Carbonate (CO <sub>3</sub> )          |  | 0.00   |       |           |
| Bicarbonate (HCO <sub>3</sub> )       |  | 239.25 | 3.92  | 54.26     |
| Hydroxide (OH)                        |  | 0.00   |       |           |
| Chloride (Cl)                         |  | 35.74  | 1.01  | 8.11      |
| Sulfur as (SO <sub>4</sub> )          |  | 95.49  | 1.99  | 21.66     |
| Salt Concentration (TDS)              |  | 392.32 |       | 88.98     |
| Boron (B)                             |  | < 0.05 |       |           |

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|                |         |
|----------------|---------|
| Manganese (Mn) | < 0.020 |
| Copper (Cu)    | < 0.020 |
| Zinc (Zn)      | < 0.040 |
| Aluminum (Al)  | < 0.200 |

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|                    |      |
|--------------------|------|
| Cation/Anion Ratio | 0.93 |
|--------------------|------|

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|                          |        |
|--------------------------|--------|
| NO <sub>3</sub> -N (ppm) | 2.40   |
| Total P (ppm)            | < 0.20 |

Reviewed by:

